



# Assessing Exposures and Health Effects Related to Indoor Biomass Fuel Burning

Monday, August 18, 2014

8:00 a.m. – 5:00 p.m.

NIEHS Building 101, Rodbell Auditorium



## Agenda

- 8:00 – 8:15 a.m. Welcome and Introduction — Linda Birnbaum, Ph.D., Director, NIEHS and NTP  
*Overview of Research Efforts*
- 8:15 – 8:30 a.m. Claudia Thompson, Ph.D., Branch Chief, Population Health Branch, DERT, NIEHS  
*NIEHS/WHO Collaborating Centre and NIEHS-funded research on Indoor Air Pollution*
- 8:30 – 9:05 a.m. Keynote address  
Sumi Mehta, Ph.D., Director of Programs, Global Alliance for Clean Cookstoves  
*Are we getting clean enough? Evaluating exposures to household air pollution*

### **Assessing Exposure**

- 9:05 – 9:40 a.m. Ryan Chartier, Chemist, Aerosol Scientist, RTI International  
*RTI's Cookstove Research and Development of the MicroPEM™ to Support Health Outcome Studies  
(presented by Jonathan Thornburg)*
- 9:40 – 10:15 a.m. Andy Grieshop, Ph.D., Assistant Professor, Department of Civil, Construction, and  
Environmental Engineering, NCSU  
*Evaluation of a Climate-Financed Cookstove Intervention in Rural South India*
- 10:15 – 10:30 a.m. Break

## **From Exposure to Toxicology**

- 10:30 a.m. – noon EPA Cookstove Research
- Alan Vette, Ph.D., Acting Deputy Director, Air, Climate, and Energy Research Program, ORD, EPA  
*Overview of EPA Cookstove Research*
  - Jim Jetter, Research Engineer, NRMRL, EPA  
*Air Pollutant Emissions From Solid-fuel Cookstoves*
  - Janice Dye, D.V.M., Ph.D., Research Biologist, NHEERL, EPA  
*Approaches to the Assessment of the Toxicity of Cookstove Emissions*
  - David DeMarini, Ph.D., Genetic Toxicologist, NHEERL, EPA  
*Mutagenicity Emission Factors of Cookstoves: Health Effects Implications Relative to Other Combustion Emissions*
- Noon – 12:50 p.m. Lunch (on your own)
- 12:50 – 1:25 p.m. Tony Ward, Ph.D., Associate Professor, Center for Environmental Health Sciences, University of Montana  
*Residential Wood Stove Studies: From the Field to the Laboratory*
- 1:25 – 1:40 p.m. Cynthia Rider, Ph.D., Toxicologist, National Toxicology Program, NIEHS  
*Cookstove Emissions in the Polycyclic Aromatic Compound Mixtures Assessment Program at the National Toxicology Program*

## **Translational Research and Intervention Strategies**

- 1:40 – 2:15 p.m. Marc Jeuland, Ph.D., Assistant Professor of Public Policy, Global Health, Environmental and Civil Environmental Engineering, Duke University  
*Increasing ICS Adoption and Use in Rural India: Lessons From the Duke-TRAction Project*
- 2:15 – 2:50 p.m. Pam Jagger, Ph.D., Assistant Professor of Environmental Policy, UNC  
*The Challenge of Biomass Reliance for Health and Welfare in Malawi*
- 2:50 – 3:05 p.m. Break

## **Highlighting the Next Generation of Researchers**

- 3:05 – 3:40 p.m. Eleanne van Vliet, Dr.P.H. student, with Patrick Kinney, Sc.D., Columbia University  
*Personal Exposures to Fine Particulate Matter in Households Using Biomass Fuels in Rural Ghana*
- 3:40 – 4:15 p.m. Lucia G. Pruneda-Alvarez, Ph.D. student, with Ivan Nelinho Perez Maldonado, Ph.D., Universidad Autonoma de San Luis Potosi  
*Exposure to Indoor Air Pollutants (Polycyclic Aromatic Hydrocarbons, Toluene, Benzene) in Mexican Women*

## **Moving Environmental Health Research Forward**

- 4:15 – 5:00 p.m. Kimberly Gray, Ph.D., Moderator, DERT, NIEHS  
*Panel discussion — Sumi Mehta, Marc Jeuland, Jim Jetter, Andy Grieshop*
- 5:00 – 5:05 p.m. Closing remarks